

PATENT ABSTRACTS OF JAPAN

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(54) DENTIFRICE

(57)Abstract:

PURPOSE: To obtain a dentifrice containing granules detectable in the mouth and giving little feeling of foreign matter in the mouth in spite of the recognition of the feeling of the cleaning effect, by granulating a water-insoluble powdery material with a water-insoluble inorganic binder and compounding the resultant granule having specific size and strength.

CONSTITUTION: A water-insoluble powdery material having particle diameter of about 0.1-20 μ m and used as a conventional tooth polishing material (e.g., calcium hydrogen phosphate, insoluble sodium metasilicate, silica or zeolite) is granulated with a water-insoluble inorganic binder (preferably magnesium metasilicate aluminate or colloidal silica) to obtain a granule having particle size passing through a 30 mesh sieve but incapable of passing through a 200 mesh sieve and collapsing under a load of 0.1-10g per one granule. The granule is compounded to a dentifrice. The above binder is preferably a combination of a binder acting as an excipient and a binder having strong adhesivity to effect remarkable increase in the strength of granule.

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